



PROCEDURE FOR FINAL SOUNDING FIELD SECTION 25

25.1 SCOPE. To define responsibilities and establish operational procedures for requesting final soundings for structures.

25.2 RESPONSIBILITY. Excepting those District responsibilities outlined in [Field Section 24](#), the Division of Materials is responsible for final soundings for structures. This work will be performed by the Geotechnical Section.

25.3 PROCEDURE FOR REQUESTING FINAL SOUNDINGS. On all final sounding work, one (1) copy of the drilling request (Form M-40a), two (2) copies of the sounding layout, plat, profile sheet, and existing bridge plans when available will be sent to the Division Engineer, Materials. If the structure is a wall, two (2) copies of the cross sections should be included.

25.3.1 DRILLING REQUEST. Form M-40a (Exhibit 25-A) of this Section, shall be used by the Bridge Division and District for requesting final soundings from the Division of Materials. The remarks section should be used to further explain the request and to request job specific information.

25.3.2 SOUNDING LAYOUT. Form M-40b (Exhibit 25-B) of this Section shall be used by the Bridge Division and District for specifying the location of requested borings. If the proposed structure is on a skew, it is preferred that the sounding locations are laid out along the skew. The skew angle, how offsets are measured and what the offset is referenced to, should be stated. Coordinates should not be used to request boring locations, rather stations and offsets are preferred.

25.4 PROCEDURE FOR REQUESTING ASSISTANCE FROM THE DISTRICT. On all final sounding work, a copy of the layout, plat, and profile will be sent to the District Engineer by the Geotechnical Section with a letter from the Division of Materials. The letter will indicate when it is anticipated that personnel will be in the District to perform the sounding work and request that the structure be staked and permission for access be obtained by that date. To avoid loss of stakes, structures should not be staked too far in advance of the sounding work. A copy of the staking notes should be delivered to the sounding party while in the field or, if this is not possible, mailed to the Division Engineer, Materials, or FAXed to the Geotechnical Section..

25.5 REPORT. The report will consist of the typed logs of soundings on Form T-737-1RMO and/or T-737-3RMO with a cover letter from the Division of Materials. Distribution will be as follows:

Division Engineer, Bridge (Original +1 Copies);
District Engineer (2 Copies);
File(s)



M-40a

**MISSOURI DEPARTMENT OF TRANSPORTATION
P. O. BOX 270
JEFFERSON CITY, MO 65102**

MATERIALS DIVISION**Date:** _____**Request for Final Soundings of Structures**

Division Engineer, Materials

The following drilling services are requested.

Route:		Type Work:	
County:		Over:	
Job or Project Number:		Location:	
Structure Number:		Priority:	

Remarks:

Attached are copies of the following:

Number of Copies	Item
	Sounding Layout
	Plat Sheet
	Profile Sheet
	Existing Bridge
	Cross Sections

SIGNED:

PHONE NUMBER:

FIRM:

ADDRESS:

Exhibit 25-A



DIVISION OF MATERIALS

M-40b

**SOUNDING LAYOUT
GEOTECHNICAL SECTION**

Route:	_____	Structure Number:	_____
County:	_____	Job Number:	_____
Name of Crossing:	_____	Date:	_____
General Location:	_____	Set up by:	_____

STRUCTURE/SPAN ARRANGEMENTS: _____

SKEW ANGLE: _____

SECURE SOUNDINGS AT THE FOLLOWING LOCATIONS:

Note: Offsets measured from: _____

<u>BENT</u>	<u>STATION</u>	<u>OFFSETS</u>
-------------	----------------	----------------

INSTRUCTIONS TO SOUNDING PARTY:

BENCH MARKS:

Exhibit 25-B



DIVISION OF MATERIALS